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PHYSIOLOGICAL SUPPORT DEBRIEFING

25X1A

DATE 15 Oct 67 ACFT 131 PILOT [redacted]

TIME IN FLIGHT 3+50 TIME IN SUIT 5+00 PREBREATHING TIME 1+00

	SATISFACTORY	UNSATISFACTORY
1. PHYSICAL CONDITION (PILOT)		
2. SURVIVAL KIT #46 AND CUSHION S/B		
3. PARACHUTE S/N 106		
4. HELMET - 1		
A. REFLECTIONS		
B. FACE HEAT		
C. COMMUNICATIONS		
5. SUIT PROPER - 3		
A. CABIN DECOMPRESSION: YES (NO)		
6. OUTER GARMENT - 3		
7. BOOTS AND SPURS, 2 Q.D. Type		
8. GLOVES - 4		
9. OXYGEN SYSTEM		

	DEPART TIME	DEPART AMT	RETURN TIME	RETURN AMT
#1	1005	9.25	1445	9
#2	1005	9.25	1445	8.25

10. MISCELLANEOUS		
11. EVALUATION ITEMS		
A. 25X1A [redacted]		
B.		
C.		
D.		
E.		

12. REMARKS: (EXPLAIN UNSATISFACTORY REPORT)

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

PRESSURE SUIT HOOK-UP CHECKLIST

1. ✓ Packet in pocket.
2. ✓ Stirrups secured.
3. ✓ Foot rest guards over seat foot rests.
4. ✓ Communications secured and functioning.
5. ✓ Face heat ON (LOW).
6. ✓ Oxygen hoses secured in QD.
7. ✓ Three harness snaps secured - harness adjusted and surplus stowed.
8. ✓ Kit adjusted and surplus stowed.
9. ✓ Two (2) bailout hoses secured.
10. ✓ Lap belt, shoulder harness, key, secured and adjusted.
11. ✓ Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. ✓ Emergency oxygen lanyard secured and pin removed.
13. ✓ Green apple secured.
14. ✓ Red knob secured.
15. ✓ Manual over-ride handle secured.
16. ✓ Two (2) Rocket-Jet releases secured.
17. ✓ Press-to-test both O_2 Systems, (LOW pressure-#1 Sys 65/70 #2 Sys 70/75).
18. ✓ Check face heat.
19. ✓ Re-adjust lap belt.
20. ✓ Kit lanyard secured to D-ring.
21. ✓ Parachute beacon; AUTOMATIC( ), UNSNAPPED( ), SNAPPED(X).

22. Departing LOX quantity, #1 System 9.25 #2 System 9.25 TIME 1005.

23. Returning LOX quantity, #1 System 9.00 #2 System 8.25 TIME 1445.

SUBJECT 1046 AIRCRAFT NUMBER 131

TECHNICIAN [redacted] DATE OF FLIGHT 15 Oct 67

25X1A

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

1. Ripcord pins seated (main and first stage).
2. Pack opening elastics secured.
3. First stage jettison mated and pins secured.
4. Two (2) rocket jet units secured.
5. Manual over ride handle secured.
6. Green apple secured.
7. Red knob secured.
8. Bailout hoses adjusted for pressure suit.
9. Bailout hose connectors operating.
10. Harness adjusted for HIGH flight.
11. Automatic openers - triggered and reset.
12. Aneroids 1400' to 7500'. Sea Level
13. Bailout cylinder pins secured.
14. Bailout cylinder pressure #1 1800 #2 1800.
15. Communication cord secured to chute.
16. Visual inspection completed.

SURVIVAL KIT

#42 L.P-
S.H. 5

1. Yellow handle secured.
2. Trigger clearance.
3. Kit disconnects secured.
4. Lid secured.
5. Visual condition.

INSTALLATION

1. Vent secured at disconnect.
2. Kit secured to chute - loose.
3. Emergency oxygen lanyard secured to chute and pin installed.
4. Communication cord secured at disconnect.
5. Vent hose secured to chute.
6. Pin secured in QD and safetied.
7. Oxygen system low pressure #1 60 70 #2 60/70.
8. Pip pin in "D" ring.
9. Stirrup cables extended and operating freely.
10. Foot rest guards over seat foot rest.

SUBJECT 1046 AIRCRAFT NUMBER 131.

TECHNICIAN [redacted] 25X1A DATE OF FLIGHT 15 OCT 67.

SEAT KIT NUMBER 46 PARACHUTE NUMBER 106.

TYPE CUSHION SIB VENT HOSE NUMBER 76.

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Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

PRIMARY

FULL PRESSURE SUIT TEST LOG

SUBJECT # 1046

SUIT # -3

OUTER GARMENT W/FLOAT GEAR -3 (W)

HELMET # -1

GLOVES # -4

BOOTS -2

FLIGHT DATE 15 OCT 67

DON 0940

DOFF 1440

TIME IN SUIT 5+00

TECHNICIAN [redacted] 25X1A

	PRE-FLIGHT	SUBJECT TEST	POSTFLIGHT
PRESS-TO-TEST			
SYSTEM #1			
Max Pressure	120	118	103
Differential	1.4	1.5	1.1
Leak Rate	1200	300	1200
SYSTEM #2			
Max Pressure	116	120	110
Differential	1.4	1.5	1.1
Leak Rate	550	250	1200
Unpress Leak Rate	500	250	500
Face Heat	20 ohms		
Comm and Cord	ok		
Pencils	✓		
Knife	✓		
Controller Number	76		
Packet	✓		
Grease Zippers	✓		
Check Location of CO_2	✓		
Pressure Tap Screws		✓	

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Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

Back Up FULL PRESSURE SUIT TEST LOG

SUBJECT # 1046

SUIT # -7-3

OUTER GARMENT W/FLOAT GEAR -7-3

HELMET # -2

GLOVES # -6

BOOTS -1

FLIGHT DATE 15 oct 67

DON

DOFF

TIME IN SUIT

TECHNICIAN [redacted] 25X1A

	PRE-FLIGHT	SUBJECT TEST	POSTFLIGHT
PRESS-TO-TEST			
SYSTEM #1			
Max Pressure	120		
Differential	1.2		
Leak Rate	650		
SYSTEM #2			
Max Pressure	118		
Differential	1.2		
Leak Rate	1000		
Unpress Leak Rate	450		
Face Heat	190ohms		
Comm and Cord	✓		
Pencils	✓		
Knife	✓		
Controller Number	✓		
Packet	✓		
Grease Zippers	✓		
Check Location of CO_2	✓		
Pressure Tap Screws			

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

Mission BX6728

* * * TOP SECRET * * *

DCOL CHECK LIST — 14 Oct

* DENOTES MANDATORY CALL TO COMMAND POST UPON COMPLETION

H-24:00 TO H-23:30: SECURE SUITS, CHUTES, KITS AND VENT UNITS: ..... 1050 - 1120 ok

DESIGNATE LIFE SUPPORT TECHNICIANS:

25X1A A/C 15 P [redacted]

A/C 129 P

P. [redacted]

S. [redacted]

H-23:30: ATTEND COMMANDERS BRIEFING:..... 1120

SUBMIT HANGAR ACCESS ROSTER, 5 CYS 1-MC 3-SECURITY 1-DCOL.....

SUBMIT RECOVERY ROSTER, 3 CYS 1-MC 1-ADMIN 1-DCOL.....

H-22:00 TO H-17:00: PREFLIGHT: 1250 - 1750

BOTH SUITS (EA PILOT)..... ok

PARACHUTE AND EMERGENCY 02 SYSTEMS..... ok

SEAT KIT COMPONENTS..... ok

SUIT ROOM VENT..... ok

LOX VENT UNIT..... ok

OXYGEN CYLINDERS..... ok

TEST EQUIPMENT..... ok

TRANSPORT VANS..... ok

H-21:00: NOTIFY SECURITY, SEAT KIT AVAILABLE FOR PACKING:..... 1350 ok

H-3:00 TO H-1:40: PREPARE PREBREATHING ROOM FOR RECEIPT OF PILOT:..... 0750 - 0910 ok

H-2:00 PERSONALLY CHECK WITH MISSION CORRDINATOR AT C.P. TO VERIFY NAMES OF PRIMARY AND SPARE PILOTS AND AIRCRAFT: 0850 - ok

P.....

S.....

INSTALL SEAT KIT AND PARACHUTE:..... 2nd

H-2:00: RECEIVE PACKET FROM INTELLIGENCE..... 0850 - 0950 ok

H-1:45 TO H-1:30: SECURITY INSPECTS SUITS:..... 0905 - 0920 1005 - 1020 ok

H-1:20 TO H-1:10: FLIGHT SURGEONS MEDICAL IN DCOL:..... 0930 - 0940 1030 - 1040 ok

H-1:10 TO H-1:00: DRESS PILOT, PRESSURE CHECK EQUIPMENT:..... 0940 - 0950 1040 - 1050 ok

H-0:50 TO H-0:45: TRANSPORT TO AIRCRAFT:..... 1000 - 1005 1100 - 1105 Comm

*H-0:45 TO H-0:35: PILOT HOOKUP AND SUIT A/C CHECK..... 1005 - 1015 1105 - 1115

H-0:35 TO TAKEOFF: STANDBY IN DCOL AND PACK LOW RECOVERY EQUIPMENT:..... 1015 - T.O. 1025 1115 - T.O. 1150

LANDING: REMOVE PILOT, TRANSPORT PILOT BACK TO DCOL, DESUIT PILOT:.....

DEBRIEF PILOT, EVALUATE AND CHECK RELIABILITY OF EQUIPMENT:.....

POST-FLIGHT EQUIPMENT:.....

* * * TOP SECRET * * *

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

15 Oct

BY 6728

	Pilot	A/C	HANGER	TIME
Prim	KC	131	[redacted]	1050
Backup	FM	129	[redacted]	1150

POLA 53 54

1130 L INITIAL BRIEFING

0720 L FINAL BRIEFING

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

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MISSION PILOTS ACTIVITY SCHEDULE FOR OPERATIONAL MISSI

H-HOUR TIME PRIMARY	LOCAL TIME PRIMARY	H-HOUR TIME SPARE	LOCAL TIME SPARE	ITEM	LOCATION
H -22:30	1220			Pre-Mission Physical Exam	Flt Surg
H -21:30	1320			Eating	A/C Mess
H-20:30	1420			Recreation activities as scheduled	Selected Area
H -18:00	1650			Intelligence Review	DCOMI
H -17:00	1750			Initial Brief & Recreation	DCO Brief Rm
H -14:00	2050			Eating	A/C Mess
H -13:00	2150			Crew Rest	Asgd House
H -4:00	0650			Wake/up Psychological Ck	Asgd House/ Crew Mess
H -3:30	0720			Final Briefing	DCO Brief Rm
H -2:30	0820			Breakfast	A/C Mess
H -1:20	0930	H -1:20	_____	Final Physical Evaluation	DCOL
H -1:10	0940	H -:10	_____	Suiting	DCOL
H -:50	1000	H +:10	_____	Leave Ops	Transport Van
H -:45	1005	H +:15	_____	Arrive Aircraft	Hangar
H -:30	1020	H +:30	_____	Start Engine	Hangar
H -:20	1030	H +:40	_____	Taxi	Aircraft
H -:05	1045	H +:55	_____	Trim Engine	Aircraft
H -:00	1050	H +1:00	_____	Take Off	Aircraft
L +:25	_____			Post Mission Physical	DCOL
L +:45	_____			Ops Debrief	DCO Brief Rm
L +1:00	_____			Mission Debrief	DCO Brief Rm
L +3:30	_____			Released	

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

Revised 20 Aug 67

DCOL

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

25X1A

Next 1 Page(s) In Document Exempt

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

T O P S E C R E T

FROM: Mission Coordinator _____ 196____

SUBJECT: Mission Alert Notification

TO: (See Below)

Request your attendance at the Commander's Briefing to be held in the Operations Briefing Room on 14 OCT 196 7 at 1120 L. The briefing concerns the following:

1. Mission Code Name and Number: BX 6728

2. Date/Time of Launch (H-Hour): 15 / 0150 Z / 1050 L.

3. Ground Spare (H+1:00): 15 / 0250 Z / 1150 L.

4. Bases: Takeoff KADENA Staging N/A ; Landing KADENA.

5. Equipment required: TYPE I CAMERA, [redacted] 25X1A

[redacted] 25X1A

6. Ground Spare Requirements: SAME AS PRIMARY.

7. Special Instructions/Comments: NO A-50

FOR THE COMMANDER

Mission Coordinato

Office	Time(L)	Recipient	Office	Time(L)	Recipient
CMDR			DCOL		
DCO			DCOC/MC		
DCM			DCOMI		
DCS			DCOW		
SECUR			COMMO		
FLT SURG			AFCS		(Notify Only)
DCOM			TTFC(SAC		(Notify Only)

T O P S E C R E T

Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

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FULL PRESSURE SUIT TEST LOG

SUBJECT # 1055 FLIGHT DATE 15 Oct 67

SUIT # -2 DON 1050

OUTER GARMENT W/FLOAT GEAR -2 DOFF

HELMET # -2 TIME IN SUIT

GLOVES # -1 TECHNICIAN [redacted] 25X1A

BOOTS -2 QD

PRESS-TO-TEST	PRE-FLIGHT	SUBJECT TEST	POSTFLIGHT
SYSTEM #1			
Max Pressure	104	120	
Differential	1.2	1.3	
Leak Rate	1275	300	
SYSTEM #2			
Max Pressure	104	120	
Differential	1.2	1.3	
Leak Rate	120	300	
Unpress Leak Rate	500	300	
Face Heat	18ohms		
Comm and Cord	ok		
Pencils	✓		
Knife	✓		
Controller Number	71		
Packet	✓		
Grease Zippers	✓		
Check Location of CO_2	✓		
Pressure Tap Screws			

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Approved For Release 2002/06/13 : CIA-RDP69B00041R000900060002-2

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EQUIPMENT PREFLIGHT FOR HIGH FLIGHT

PARACHUTE

1. ✓ Ripcord pins seated (main and first stage).
2. ✓ Pack opening elastics secured.
3. ✓ First stage jettison mated and pins secured.
4. ✓ Two (2) rocket jet units secured.
5. ✓ Manual over ride handle secured.
6. ✓ Green apple secured.
7. ✓ Red knob secured.
8. ✓ Bailout hoses adjusted for pressure suit.
9. ✓ Bailout hose connectors operating.
10. ✓ Harness adjusted for HIGH flight.
11. ✓ Automatic openers - triggered and reset.
12. ✓ Aneroids 1400' to 7500'.
13. ✓ Bailout cylinder pins secured.
14. ✓ Bailout cylinder pressure #1 1800 #2 1800.
15. ✓ Communication cord secured to chute.
16. ✓ Visual inspection completed.

L.P. #3

SURVIVAL KIT

Sif. #5

1. ✓ Yellow handle secured.
2. ✓ Trigger clearance.
3. ✓ Kit disconnects secured.
4. ✓ Lid secured.
5. ✓ Visual condition.

INSTALLATION

1. ✓ Vent secured at disconnect.
2. ✓ Kit secured to chute - loose.
3. ✓ Emergency oxygen lanyard secured to chute and pin installed.
4. ✓ Communication cord secured at disconnect.
5. ✓ Vent hose secured to chute.
6. ✓ Pin secured in QD and safetied.
7. ✓ Oxygen system low pressure #1 65/70 #2 75/80.
8. ✓ Pip pin in "D" ring.
9. ✓ Stirrup cables extended and operating freely.
10. ✓ Foot rest guards over seat foot rest.

SUBJECT 1055 AIRCRAFT NUMBER 129.

TECHNICIAN [redacted] 25X1A DATE OF FLIGHT 15 Oct 67.

SEAT KIT NUMBER 55 PARACHUTE NUMBER 102.

TYPE CUSHION S1B VENT HOSE NUMBER 71.

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PRESSURE SUIT HOOK-UP CHECKLIST

1. Packet in pocket.
2. Stirrups secured.
3. Foot rest guards over seat foot rests.
4. Communications secured and functioning.
5. Face heat ON (LOW).
6. Oxygen hoses secured in QD.
7. Three harness snaps secured - harness adjusted and surplus stowed.
8. Kit adjusted and surplus stowed.
9. Two (2) bailout hoses secured.
10. Lap belt, shoulder harness, key, secured and adjusted.
11. Oxygen hoses under right leg strap, chest strap under helmet hold-down.
12. Emergency oxygen lanyard secured and pin removed.
13. Green apple secured.
14. Red knob secured.
15. Manual over-ride handle secured.
16. Two (2) Rocket-Jet releases secured.
17. Press-to-test both O_2 Systems, (LOW pressure-#1 Sys_____#2 Sys_____).
18. Check face heat.
19. Re-adjust lap belt.
20. Kit lanyard secured to D-ring.
21. Parachute beacon; AUTOMATIC( ), UNSNAPPED( ), SNAPPED( ).
22. Departing LOX quantity, #1 System_____ #2 System_____ TIME_____.
23. Returning LOX quantity, #1 System_____ #2 System_____ TIME_____.

SUBJECT 1055 AIRCRAFT NUMBER 129

TECHNICIAN_____ DATE OF FLIGHT 15 Oct 67

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